

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 09|843,150 A  
Source: IFW16  
Date Processed by STIC: 11/29/2005

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IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/843,150A

DATE: 11/29/2005

TIME: 10:12:49

Input Set : E:\65691219amended.APP  
 Output Set: N:\CRF4\11292005\I843150A.raw

3 <110> APPLICANT: CHAMBON, PIERRE  
 4 GHYSELINCK, NORBERT B.  
 5 SCHNUTGEN, FRANK  
 7 <120> TITLE OF INVENTION: METHOD FOR THE STABLE INVERSION OF DNA SEQUENCE BY  
 8 SITE-SPECIFIC RECOMBINATION AND DNA VECTORS AND  
 9 TRANSGENIC CELLS THEREOF  
 11 <130> FILE REFERENCE: 065691/0219  
 13 <140> CURRENT APPLICATION NUMBER: 09/843,150A  
 C--> 14 <141> CURRENT FILING DATE: 2001-04-27  
 16 <160> NUMBER OF SEQ ID NOS: 57  
 18 <170> SOFTWARE: PatentIn Ver. 2.1  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 60  
 22 <212> TYPE: DNA  
 23 <213> ORGANISM: Artificial sequence  
 25 <220> FEATURE:  
 26 <223> OTHER INFORMATION: Description of Artificial sequence: R1  
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 35 <212> TYPE: DNA  
 36 <213> ORGANISM: Artificial sequence  
 38 <220> FEATURE:  
 39 <223> OTHER INFORMATION: Description of Artificial sequence: R2  
 40 synthetic oligonucleotide  
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 43 aattcgggtc gatggtaag cttggataac ttcgtataat gtatgctata cgaagttatc 60  
 46 <210> SEQ ID NO: 3  
 47 <211> LENGTH: 61  
 48 <212> TYPE: DNA  
 49 <213> ORGANISM: Artificial sequence  
 51 <220> FEATURE:  
 52 <223> OTHER INFORMATION: Description of Artificial sequence: R3  
 53 synthetic oligonucleotide  
 55 <400> SEQUENCE: 3  
 56 aattgcacatc gatcaccatc gacccataac ttcgtatagt atacattata cgaagttatc 60  
 57 g 61  
 60 <210> SEQ ID NO: 4  
 61 <211> LENGTH: 61  
 62 <212> TYPE: DNA  
 63 <213> ORGANISM: Artificial sequence

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65 <220> FEATURE:  
66 <223> OTHER INFORMATION: Description of Artificial sequence: R4  
67 synthetic oligonucleotide  
69 <400> SEQUENCE: 4  
70 aattcgataa cttcgatataa tgtatactat acgaagttat gggtcgatgg tgatgcttgg 60  
71 c 61  
74 <210> SEQ ID NO: 5  
75 <211> LENGTH: 67  
76 <212> TYPE: DNA  
77 <213> ORGANISM: Artificial sequence  
79 <220> FEATURE:  
80 <223> OTHER INFORMATION: Description of Artificial sequence: R5  
81 synthetic oligonucleotide  
83 <400> SEQUENCE: 5  
84 ctatgtggatc cgataacttc gtataatgtt tgctatacga agttatccaa gcatcaccat 60  
85 cgaccct 67  
88 <210> SEQ ID NO: 6  
89 <211> LENGTH: 67  
90 <212> TYPE: DNA  
91 <213> ORGANISM: Artificial sequence  
93 <220> FEATURE:  
94 <223> OTHER INFORMATION: Description of Artificial sequence: R6  
95 synthetic oligonucleotide  
97 <400> SEQUENCE: 6  
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99 ggatcca 67  
102 <210> SEQ ID NO: 7  
103 <211> LENGTH: 60  
104 <212> TYPE: DNA  
105 <213> ORGANISM: Artificial sequence  
107 <220> FEATURE:  
108 <223> OTHER INFORMATION: Description of Artificial sequence: R7  
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111 <400> SEQUENCE: 7  
112 ctatgtccaga tctcaccatc gaccataac ttctatataat gtatactata cgaagttatt 60  
115 <210> SEQ ID NO: 8  
116 <211> LENGTH: 60  
117 <212> TYPE: DNA  
118 <213> ORGANISM: Artificial sequence  
120 <220> FEATURE:  
121 <223> OTHER INFORMATION: Description of Artificial sequence: R8  
122 synthetic oligonucleotide  
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125 ctatgtatgt atacattata cgaagttatc ggtcgatggt gagatctgga 60  
128 <210> SEQ ID NO: 9  
129 <211> LENGTH: 28  
130 <212> TYPE: DNA  
131 <213> ORGANISM: Artificial sequence  
133 <220> FEATURE:

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134 <223> OTHER INFORMATION: Description of Artificial sequence: R9  
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 143 <212> TYPE: DNA  
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 146 <220> FEATURE:  
 147 <223> OTHER INFORMATION: Description of Artificial sequence: R10  
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 150 <400> SEQUENCE: 10  
 151 ggggaattcc catggtgagc aaggcgagg ag 32  
 154 <210> SEQ ID NO: 11  
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 156 <212> TYPE: DNA  
 157 <213> ORGANISM: Artificial sequence  
 159 <220> FEATURE:  
 160 <223> OTHER INFORMATION: Description of Artificial sequence: R11  
 161 synthetic oligonucleotide  
 163 <400> SEQUENCE: 11  
 164 ctatcaggggc gatggcccac tacgtgttct gaggcgaaa gaacca 46  
 167 <210> SEQ ID NO: 12  
 168 <211> LENGTH: 47  
 169 <212> TYPE: DNA  
 170 <213> ORGANISM: Artificial sequence  
 172 <220> FEATURE:  
 173 <223> OTHER INFORMATION: Description of Artificial sequence: R12  
 174 synthetic oligonucleotide  
 176 <400> SEQUENCE: 12  
 177 ggaatagctc agaggccgag gcggcctcg cctctgcata aataaaa 47  
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 182 <212> TYPE: DNA  
 183 <213> ORGANISM: Artificial sequence  
 185 <220> FEATURE:  
 186 <223> OTHER INFORMATION: Description of Artificial sequence: Synthetic  
 187 oligonucleotide  
 189 <400> SEQUENCE: 13  
 190 gtgcattctgc cagtttgagg 20  
 193 <210> SEQ ID NO: 14  
 194 <211> LENGTH: 17  
 195 <212> TYPE: DNA  
 196 <213> ORGANISM: Artificial sequence  
 198 <220> FEATURE:  
 199 <223> OTHER INFORMATION: Description of Artificial sequence: Synthetic  
 200 oligonucleotide  
 202 <400> SEQUENCE: 14  
 203 aatacgactc actataag 17

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206 <210> SEQ ID NO: 15  
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 208 <212> TYPE: DNA  
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 211 <220> FEATURE:  
 212 <223> OTHER INFORMATION: Description of Artificial sequence: G1  
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 215 <400> SEQUENCE: 15  
 216 ggccgcataa cttcgtataa tgtatgctat acgaagttat 40  
 219 <210> SEQ ID NO: 16  
 220 <211> LENGTH: 40  
 221 <212> TYPE: DNA  
 222 <213> ORGANISM: Artificial sequence  
 224 <220> FEATURE:  
 225 <223> OTHER INFORMATION: Description of Artificial sequence: G2  
 226 synthetic oligonucleotide  
 228 <400> SEQUENCE: 16  
 229 ggcataact tcgtatagca tacattatac gaagttatgc 40  
 232 <210> SEQ ID NO: 17  
 233 <211> LENGTH: 50  
 234 <212> TYPE: DNA  
 235 <213> ORGANISM: Artificial sequence  
 237 <220> FEATURE:  
 238 <223> OTHER INFORMATION: Description of Artificial sequence: G3  
 239 synthetic oligonucleotide  
 241 <400> SEQUENCE: 17  
 242 tataatgtat gctatacgaa gttattcctt ggcctggaat ttgcagaatt 50  
 245 <210> SEQ ID NO: 18  
 246 <211> LENGTH: 50  
 247 <212> TYPE: DNA  
 248 <213> ORGANISM: Artificial sequence  
 250 <220> FEATURE:  
 251 <223> OTHER INFORMATION: Description of Artificial sequence: G4  
 252 synthetic oligonucleotide  
 254 <400> SEQUENCE: 18  
 255 gccccggggga tccactagtt ctagatgtct ccaccgctga atgaaaagca 50  
 258 <210> SEQ ID NO: 19  
 259 <211> LENGTH: 64  
 260 <212> TYPE: DNA  
 261 <213> ORGANISM: Artificial sequence  
 263 <220> FEATURE:  
 264 <223> OTHER INFORMATION: Description of Artificial sequence: G5  
 265 synthetic oligonucleotide  
 267 <400> SEQUENCE: 19  
 268 ctagtatggtaaaaggtttc cggaattccg ctctagactc atcaatgtta tcttatcatg 60  
 269 tcta 64  
 272 <210> SEQ ID NO: 20  
 273 <211> LENGTH: 64  
 274 <212> TYPE: DNA

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Input Set : E:\65691219amended.APP  
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275 <213> ORGANISM: Artificial sequence  
277 <220> FEATURE:  
278 <223> OTHER INFORMATION: Description of Artificial sequence: G6  
279 synthetic oligonucleotide  
281 <400> SEQUENCE: 20  
282 ctatggatca tgataagata acattgtatga gtctagagcg gaattccgga aaactttatc 60  
283 cata  
286 <210> SEQ ID NO: 21  
287 <211> LENGTH: 64  
288 <212> TYPE: DNA  
289 <213> ORGANISM: Artificial sequence  
291 <220> FEATURE:  
292 <223> OTHER INFORMATION: Description of Artificial sequence: G7  
293 synthetic oligonucleotide  
295 <400> SEQUENCE: 21  
296 gctacgtaat aacttcgtat aatgtatact atacgaagtt atgggtcgat ggtgagatct 60  
297 ccgc 64  
300 <210> SEQ ID NO: 22  
301 <211> LENGTH: 64  
302 <212> TYPE: DNA  
303 <213> ORGANISM: Artificial sequence  
305 <220> FEATURE:  
306 <223> OTHER INFORMATION: Description of Artificial sequence: G8  
307 synthetic oligonucleotide  
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310 ggagatctca ccatcgaccc ataacttcgt atagtataca ttatacgaag ttattacgta 60  
311 gcgc 64  
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315 <211> LENGTH: 12  
316 <212> TYPE: DNA  
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319 <220> FEATURE:  
320 <223> OTHER INFORMATION: Description of Artificial sequence: G9  
321 synthetic oligonucleotide  
323 <400> SEQUENCE: 23  
324 gatcttacgt aa 12  
327 <210> SEQ ID NO: 24  
328 <211> LENGTH: 42  
329 <212> TYPE: DNA  
330 <213> ORGANISM: Artificial sequence  
332 <220> FEATURE:  
333 <223> OTHER INFORMATION: Description of Artificial sequence: G10  
334 synthetic oligonucleotide  
336 <400> SEQUENCE: 24  
337 ggccggaaag ttcctattct ctagaaagta taggaacttc cc 42  
340 <210> SEQ ID NO: 25  
341 <211> LENGTH: 42  
342 <212> TYPE: DNA  
343 <213> ORGANISM: Artificial sequence

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/843,150A

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TIME: 10:12:50

Input Set : E:\65691219amended.APP

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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date